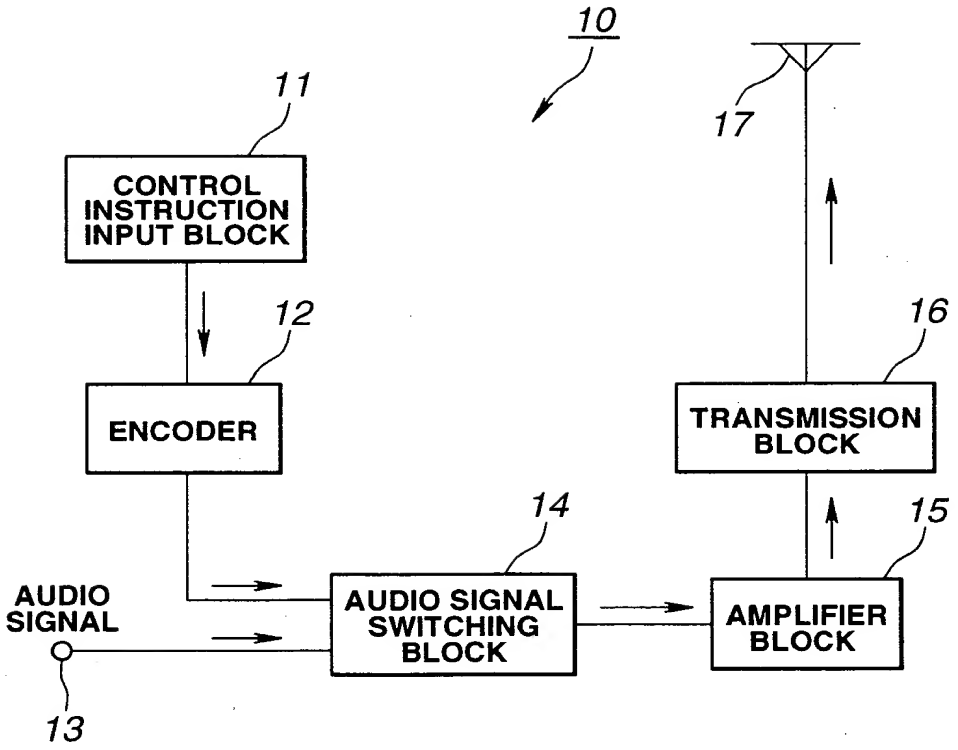
10
11
CONTROL INSTRUCTION INPUT BLOCK
12
ENCODER
13
AUDIO SIGNAL
14
AUDIO SIGNAL SWITCHING BLOCK
15
AMPLIFIER BLOCK
16
TRANSMISSION BLOCK
17

FIG.1

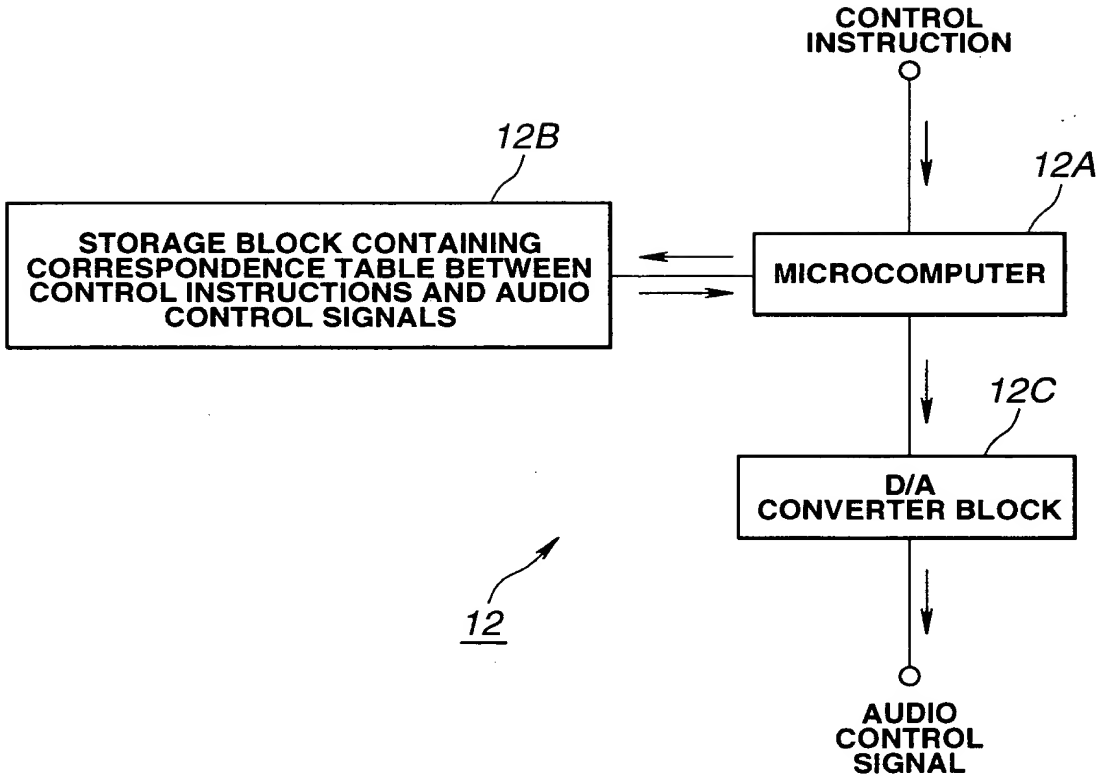
CONTROL INSTRUCTION
12B
12A
STORAGE BLOCK CONTAINING CORRESPONDENCE TABLE BETWEEN CONTROL INSTRUCTIONS AND AUDIO CONTROL SIGNALS
MICROCOMPUTER
12C
D/A CONVERTER BLOCK
12
AUDIO CONTROL SIGNAL

FIG.2

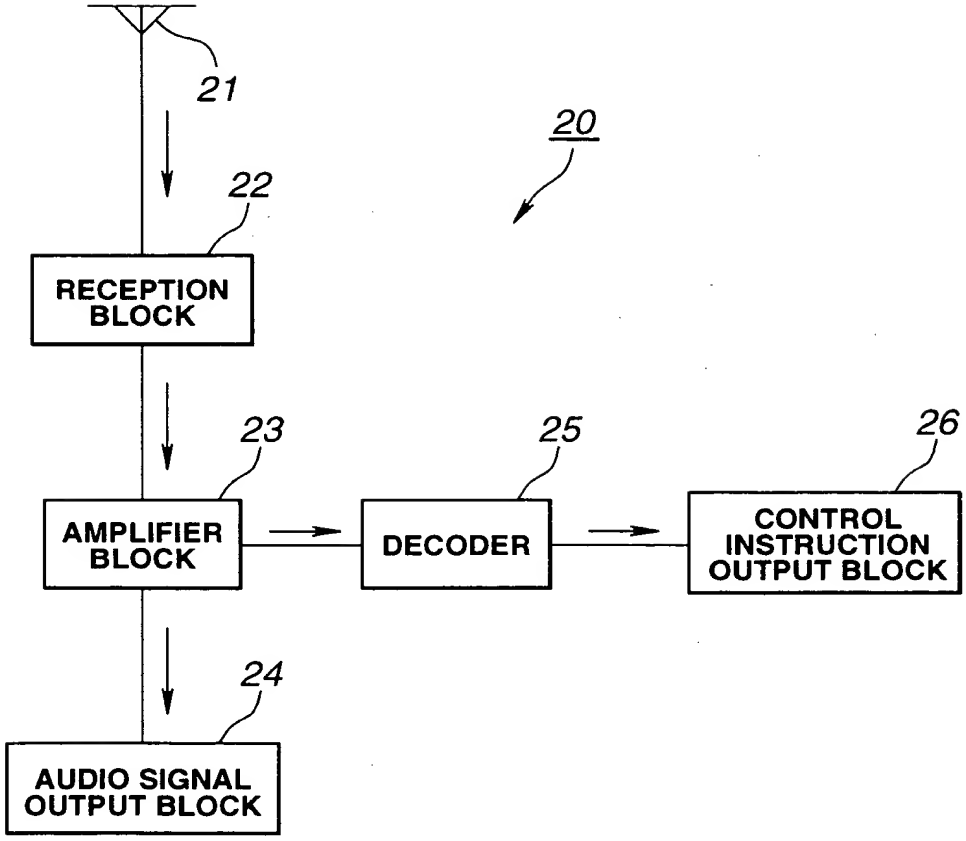
21
20
22
RECEPTION BLOCK
23
25
26
AMPLIFIER BLOCK
DECODER
CONTROL INSTRUCTION OUTPUT BLOCK
24
AUDIO SIGNAL OUTPUT BLOCK

FIG.3

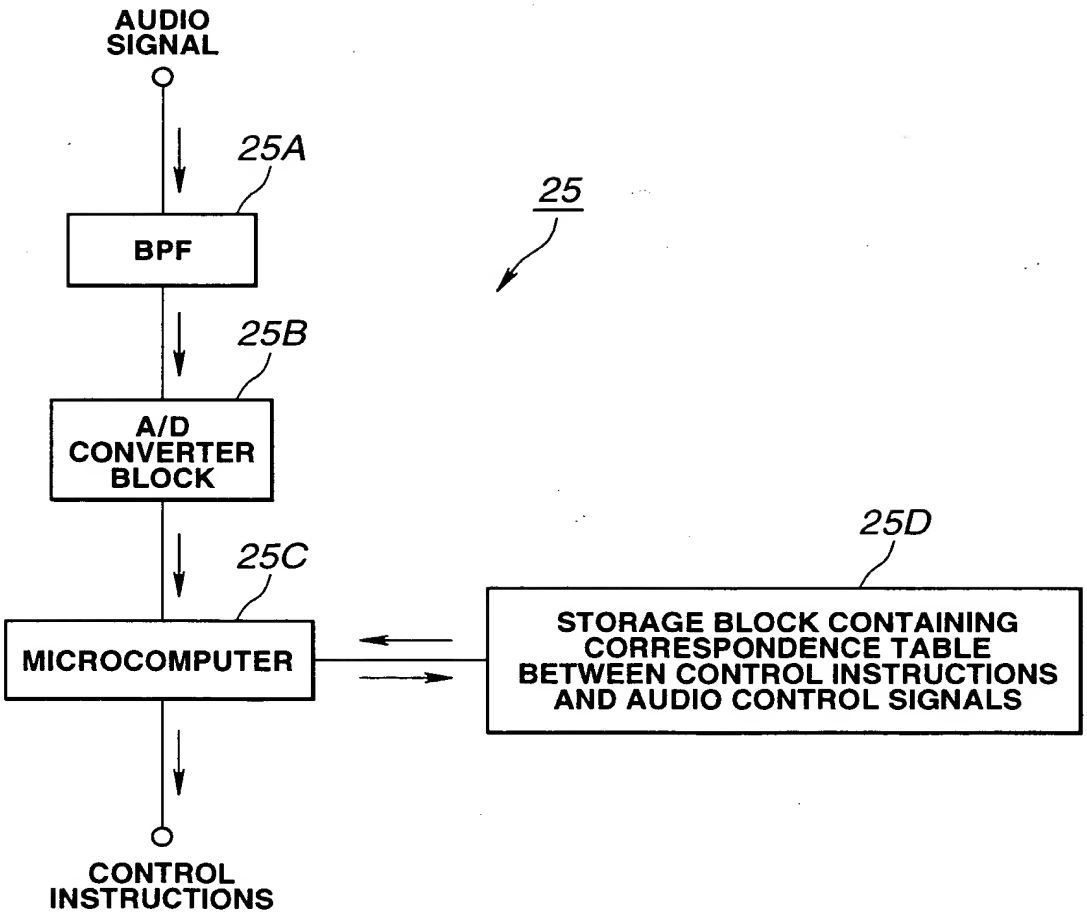
AUDIO SIGNAL
25A
25
BPF
25B
A/D CONVERTER BLOCK
25C
25D
MICROCOMPUTER
STORAGE BLOCK CONTAINING CORRESPONDENCE TABLE BETWEEN CONTROL INSTRUCTIONS AND AUDIO CONTROL SIGNALS
CONTROL INSTRUCTIONS

FIG.4

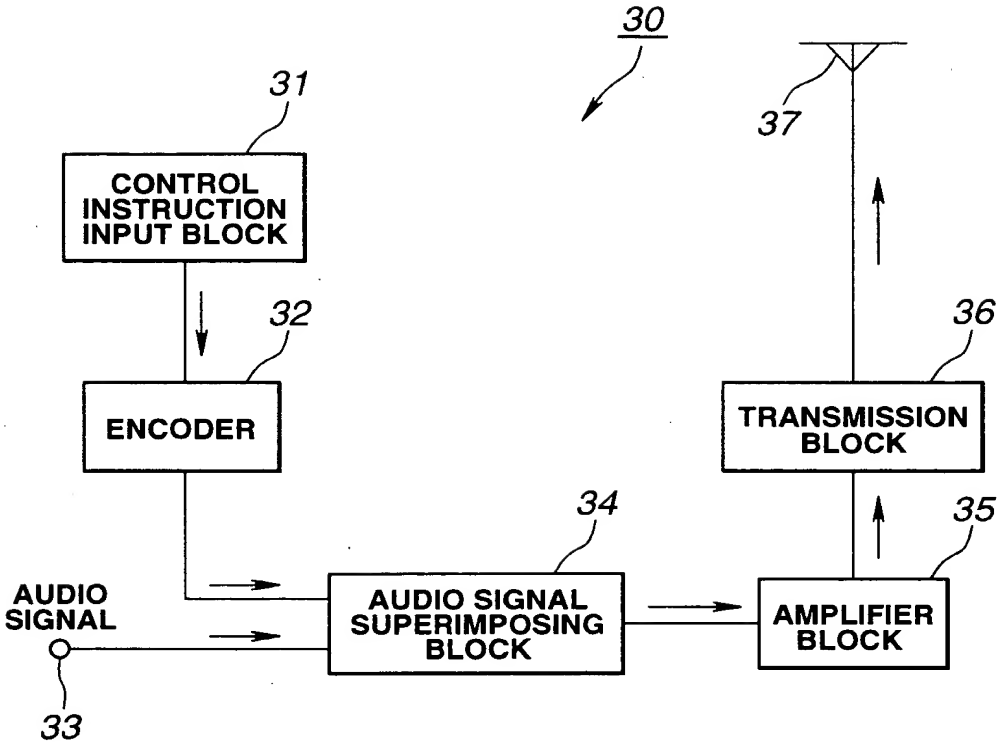
30
31
CONTROL INSTRUCTION INPUT BLOCK
32
ENCODER
37
36
TRANSMISSION BLOCK
34
35
AUDIO SIGNAL
AUDIO SIGNAL SUPERIMPOSING BLOCK
AMPLIFIER BLOCK
33

FIG.5

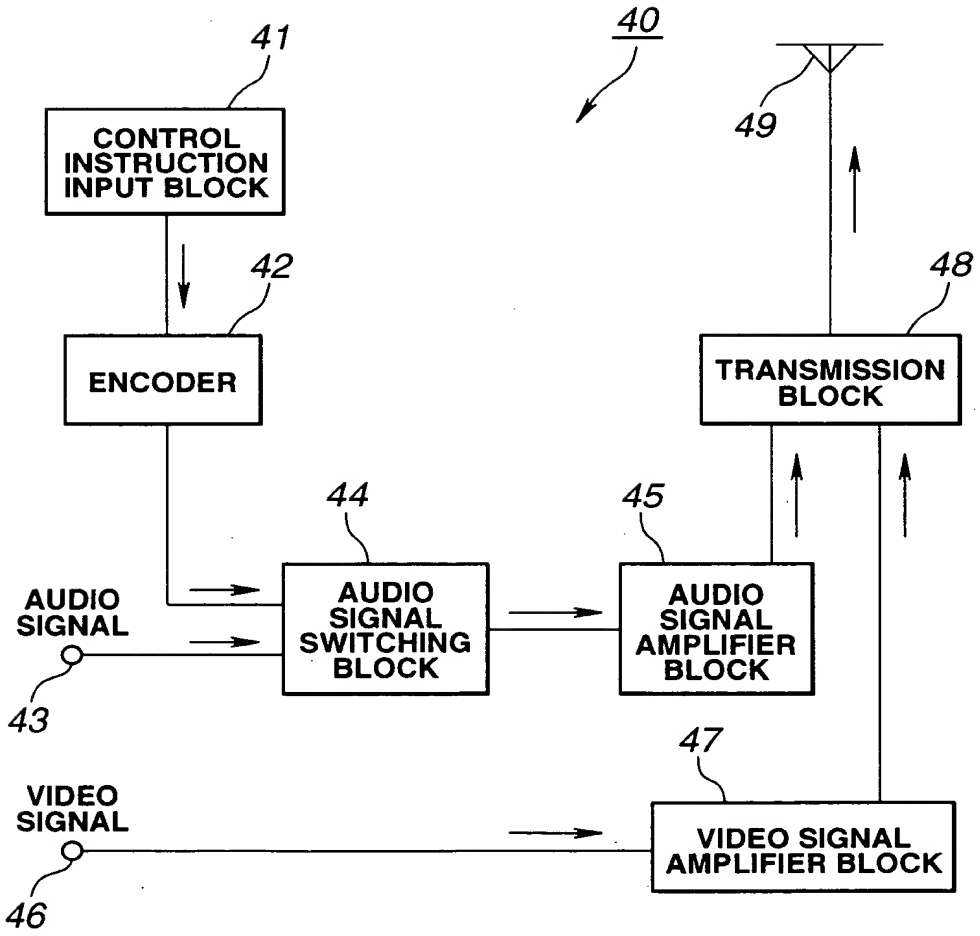
40
41
CONTROL INSTRUCTION INPUT BLOCK
42
ENCODER
44
AUDIO SIGNAL SWITCHING BLOCK
45
AUDIO SIGNAL AMPLIFIER BLOCK
48
TRANSMISSION BLOCK
49
AUDIO SIGNAL
43
VIDEO SIGNAL
46
47
VIDEO SIGNAL AMPLIFIER BLOCK

FIG.6

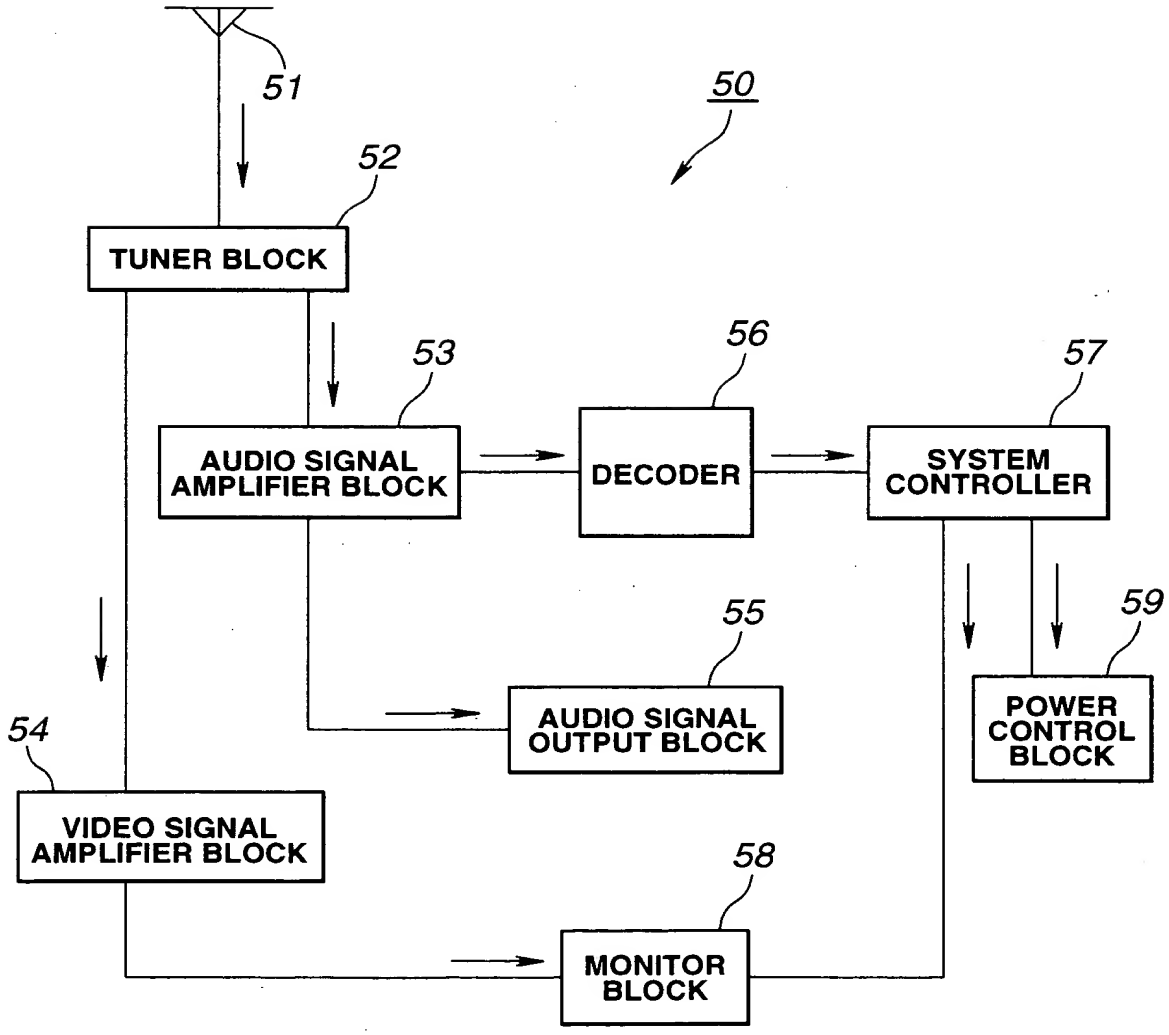
51
50
52
TUNER BLOCK
53
56
57
AUDIO SIGNAL AMPLIFIER BLOCK
DECODER
SYSTEM CONTROLLER
55
59
AUDIO SIGNAL OUTPUT BLOCK
POWER CONTROL BLOCK
54
VIDEO SIGNAL AMPLIFIER BLOCK
58
MONITOR BLOCK

FIG.7

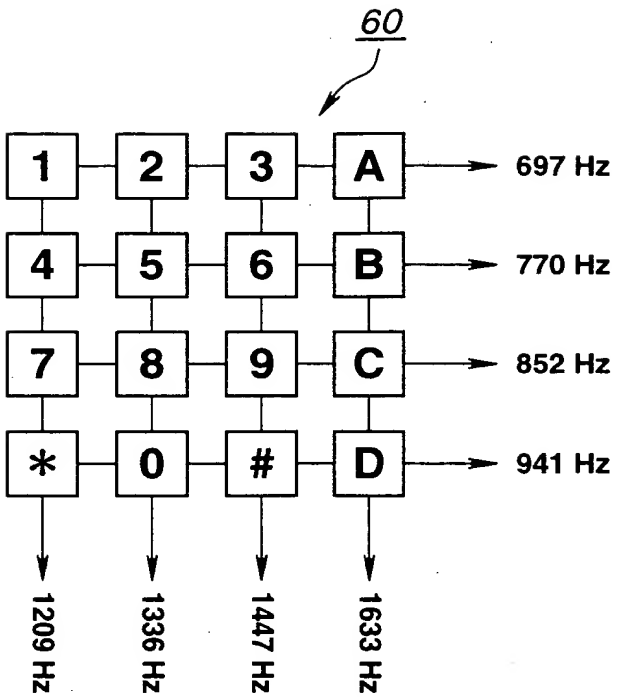
60
1
2
3
A
4
5
6
B
7
8
9
C
*
0
#
D
697 Hz
770 Hz
852 Hz
941 Hz
1209 Hz
1336 Hz
1447 Hz
1633 Hz

FIG.8

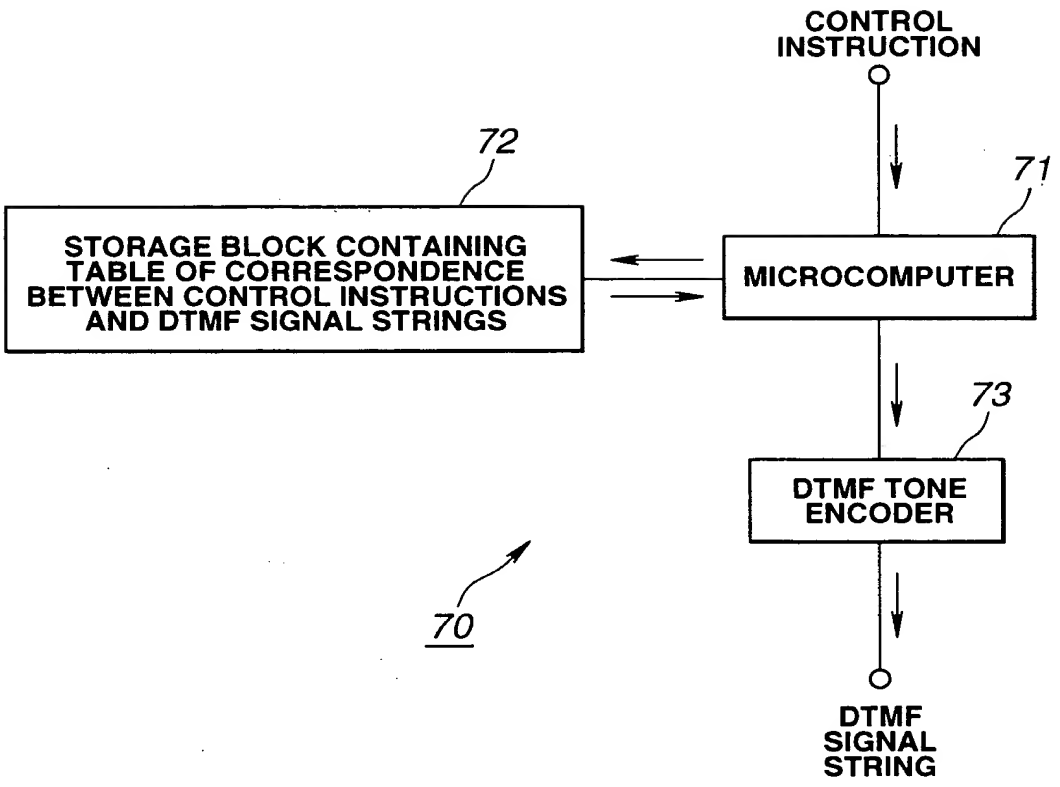
CONTROL INSTRUCTION
72
71
STORAGE BLOCK CONTAINING TABLE OF CORRESPONDENCE BETWEEN CONTROL INSTRUCTIONS AND DTMF SIGNAL STRINGS
MICROCOMPUTER
73
DTMF TONE ENCODER
70
DTMF SIGNAL STRING

FIG.9

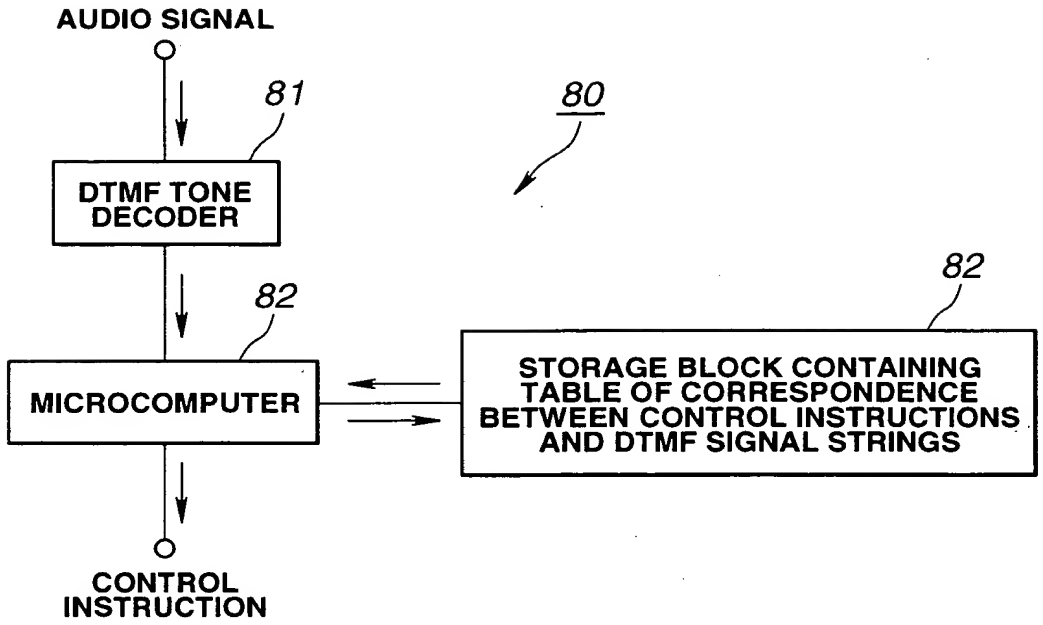

FIG.10

CONTROL INSTRUCTION	AUDIO CONTROL SIGNAL (DTMF SIGNAL STRING)
VIDEO OUTPUT OFF	1#
VIDEO OUTPUT ON	2#
POWER OFF	3#

FIG.11

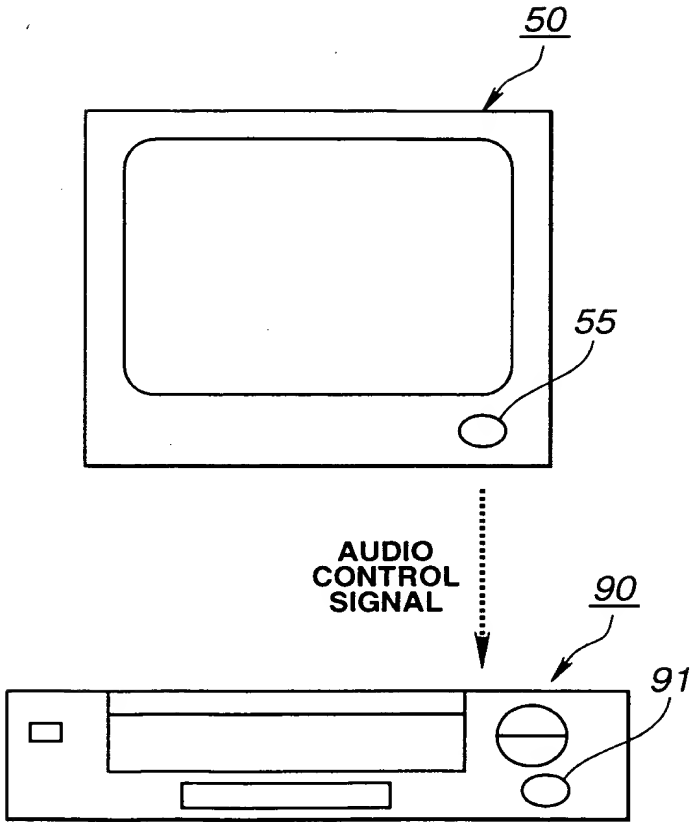

FIG.12

CONTROL INSTRUCTION	AUDIO CONTROL SIGNAL (DTMF SIGNAL STRING)
POWER ON	21#
POWER OFF	22#
VIDEO RECORDING START	23#
STOP	24#

FIG.13

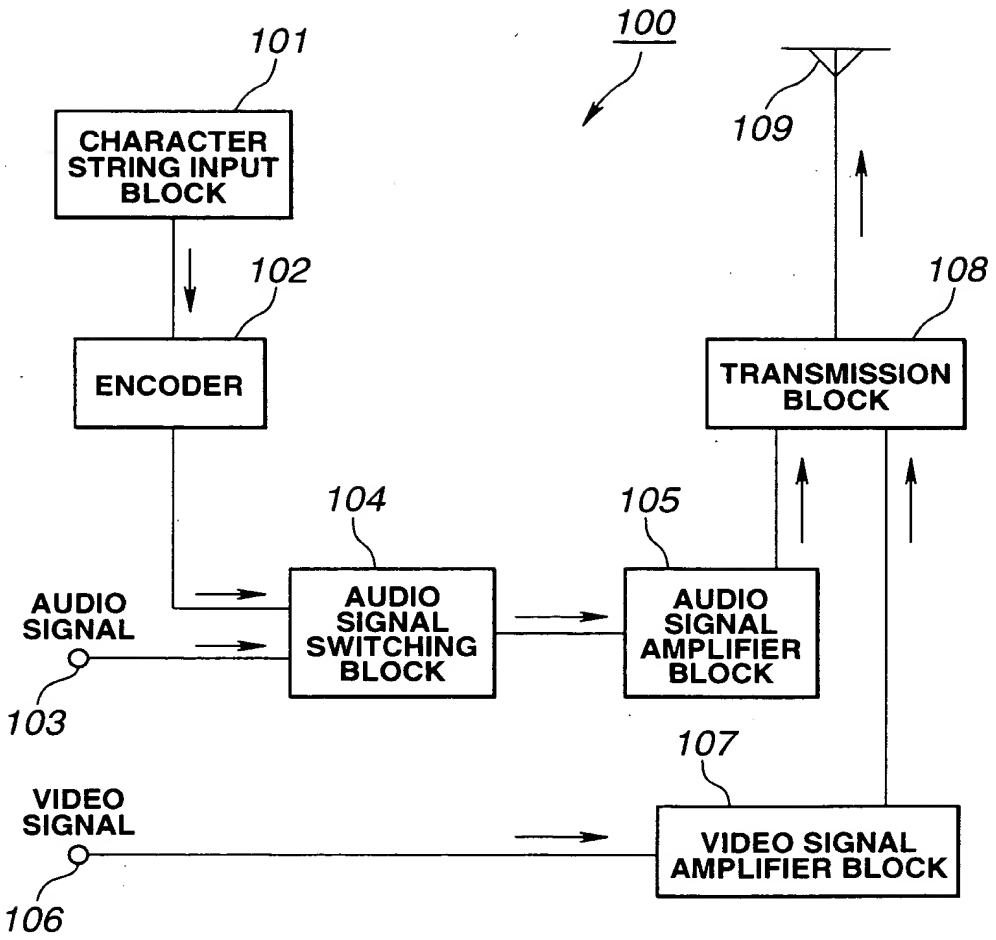
100
101
CHARACTER STRING INPUT BLOCK
102
ENCODER
104
AUDIO SIGNAL SWITCHING BLOCK
105
AUDIO SIGNAL AMPLIFIER BLOCK
AUDIO SIGNAL
103
VIDEO SIGNAL
106
107
VIDEO SIGNAL AMPLIFIER BLOCK
109
108
TRANSMISSION BLOCK

FIG.14

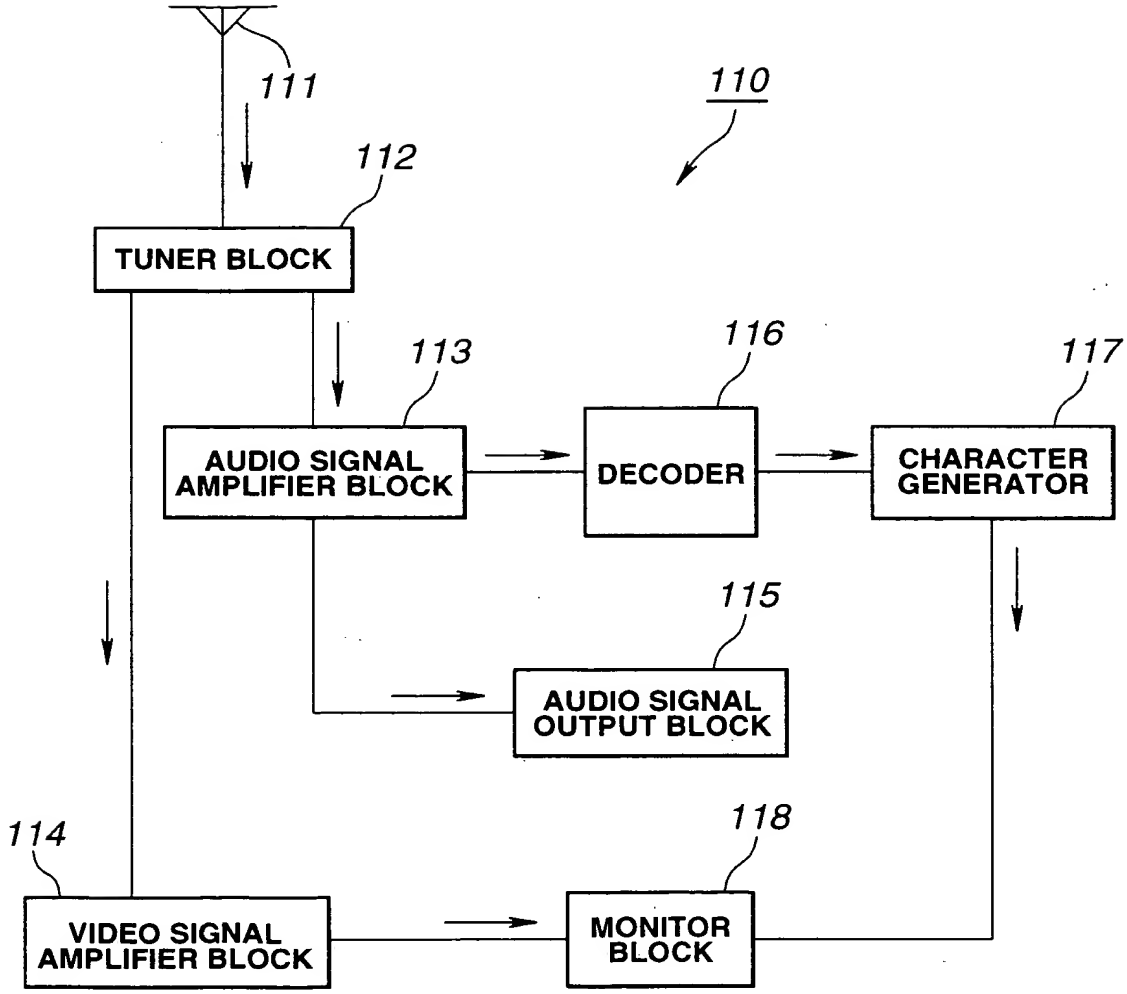
111
110
112
TUNER BLOCK
113
116
117
AUDIO SIGNAL AMPLIFIER BLOCK
DECODER
CHARACTER GENERATOR
115
AUDIO SIGNAL OUTPUT BLOCK
114
118
VIDEO SIGNAL AMPLIFIER BLOCK
MONITOR BLOCK

FIG.15

CHARACTER INFORMATION	AUDIO CHARACTER SIGNAL (DTMF SIGNAL STRING)
A	001#
B	002#
AB	003#

FIG.16

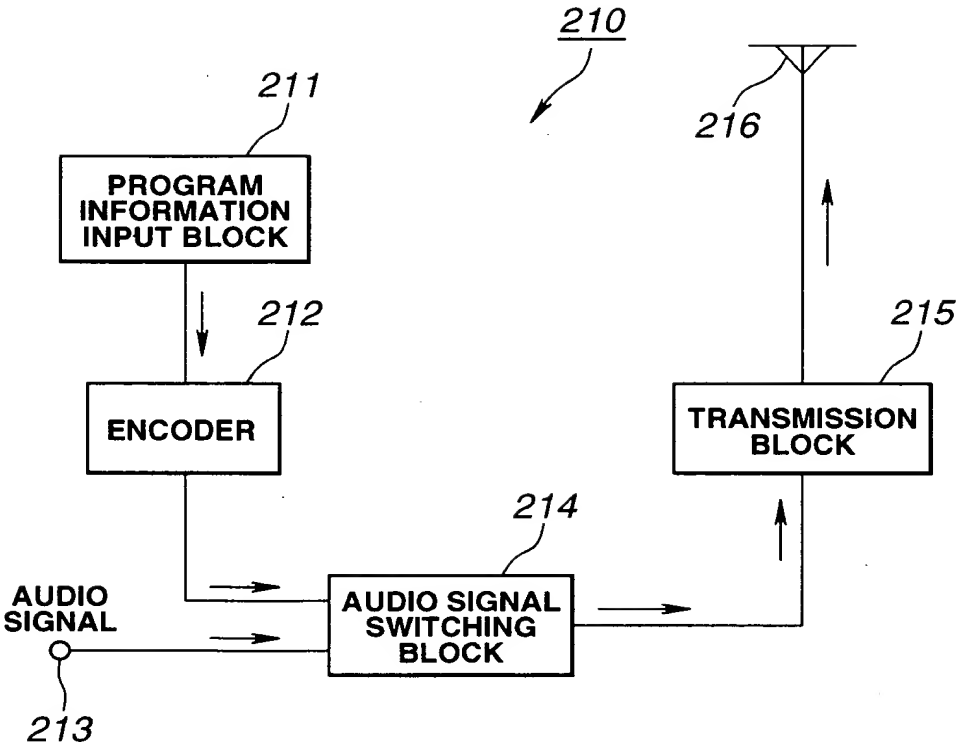
210
211
PROGRAM INFORMATION INPUT BLOCK
212
ENCODER
214
AUDIO SIGNAL SWITCHING BLOCK
AUDIO SIGNAL
213
216
215
TRANSMISSION BLOCK

FIG.17

RECORDING DATE
RECORDING START TIME
RECORDING END TIME
BROADCAST CHANNEL

FIG.18

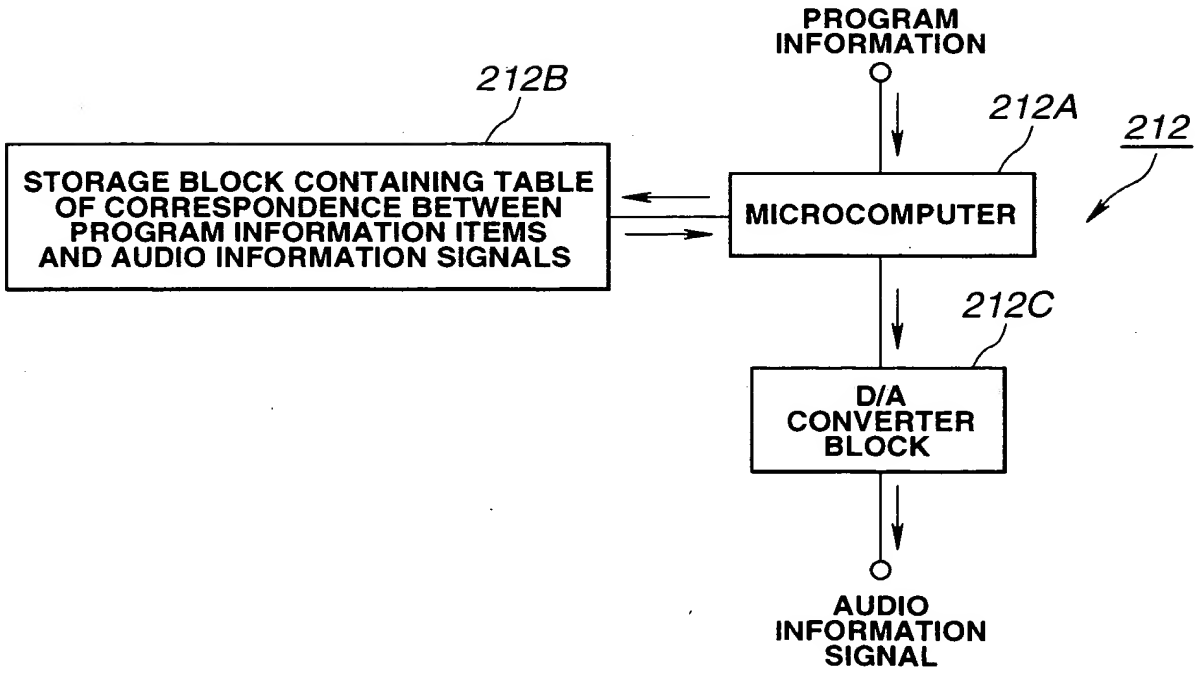

FIG.19

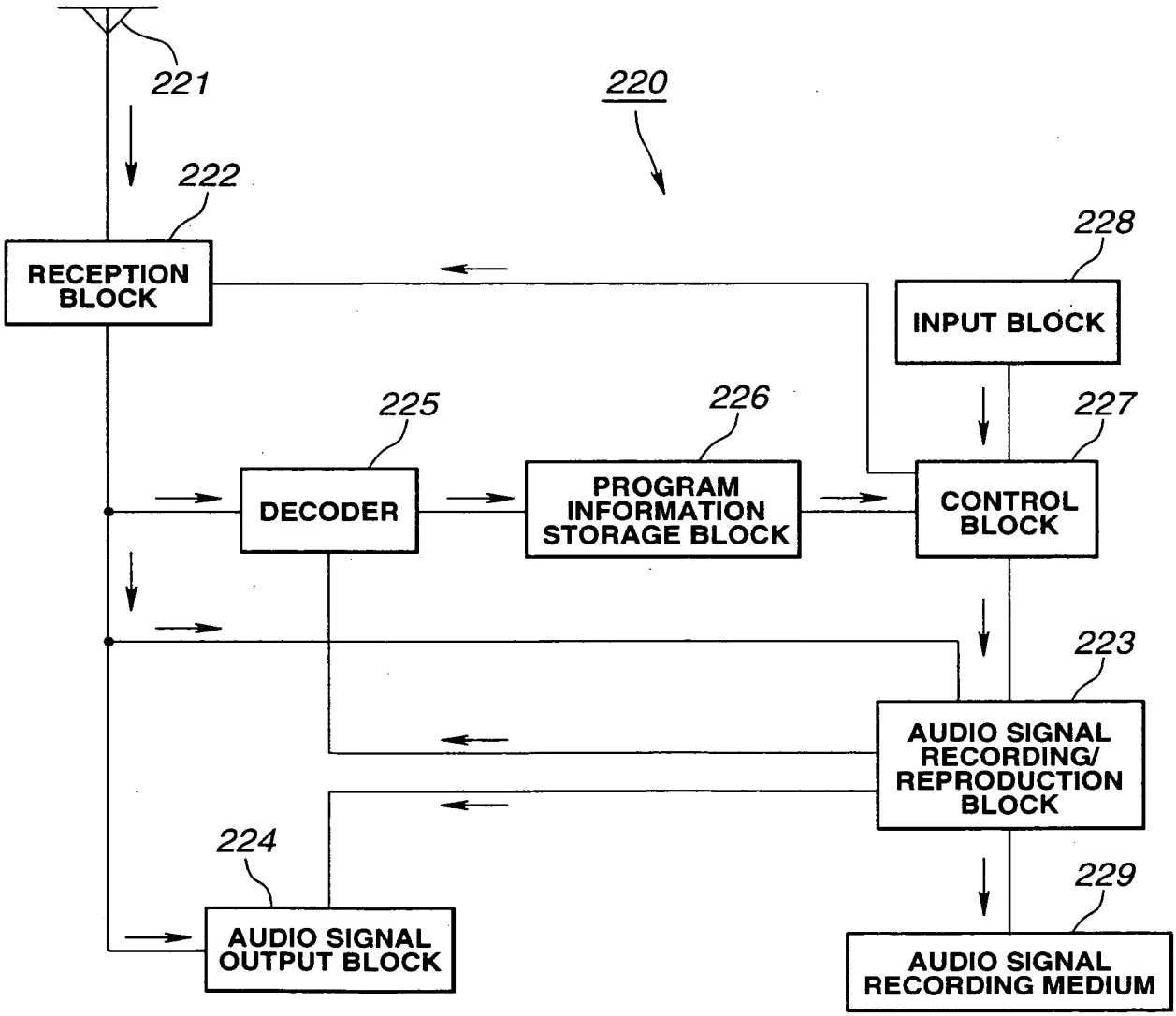
221
220
222
228
RECEPTION BLOCK
INPUT BLOCK
225
226
227
DECODER
PROGRAM INFORMATION STORAGE BLOCK
CONTROL BLOCK
223
AUDIO SIGNAL RECORDING/ REPRODUCTION BLOCK
224
229
AUDIO SIGNAL OUTPUT BLOCK
AUDIO SIGNAL RECORDING MEDIUM

FIG.20

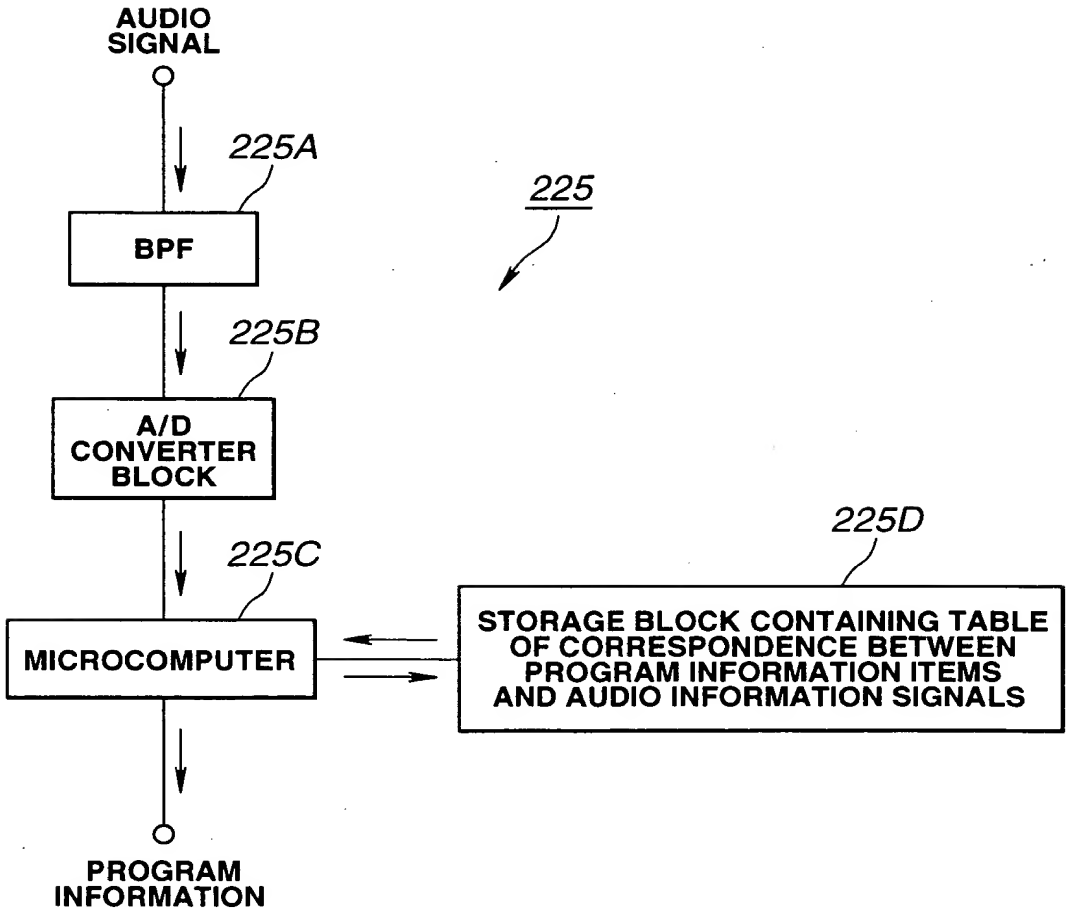
AUDIO SIGNAL
225A
225
BPF
225B
A/D CONVERTER BLOCK
225C
225D
MICROCOMPUTER
STORAGE BLOCK CONTAINING TABLE OF CORRESPONDENCE BETWEEN PROGRAM INFORMATION ITEMS AND AUDIO INFORMATION SIGNALS
PROGRAM INFORMATION

FIG.21

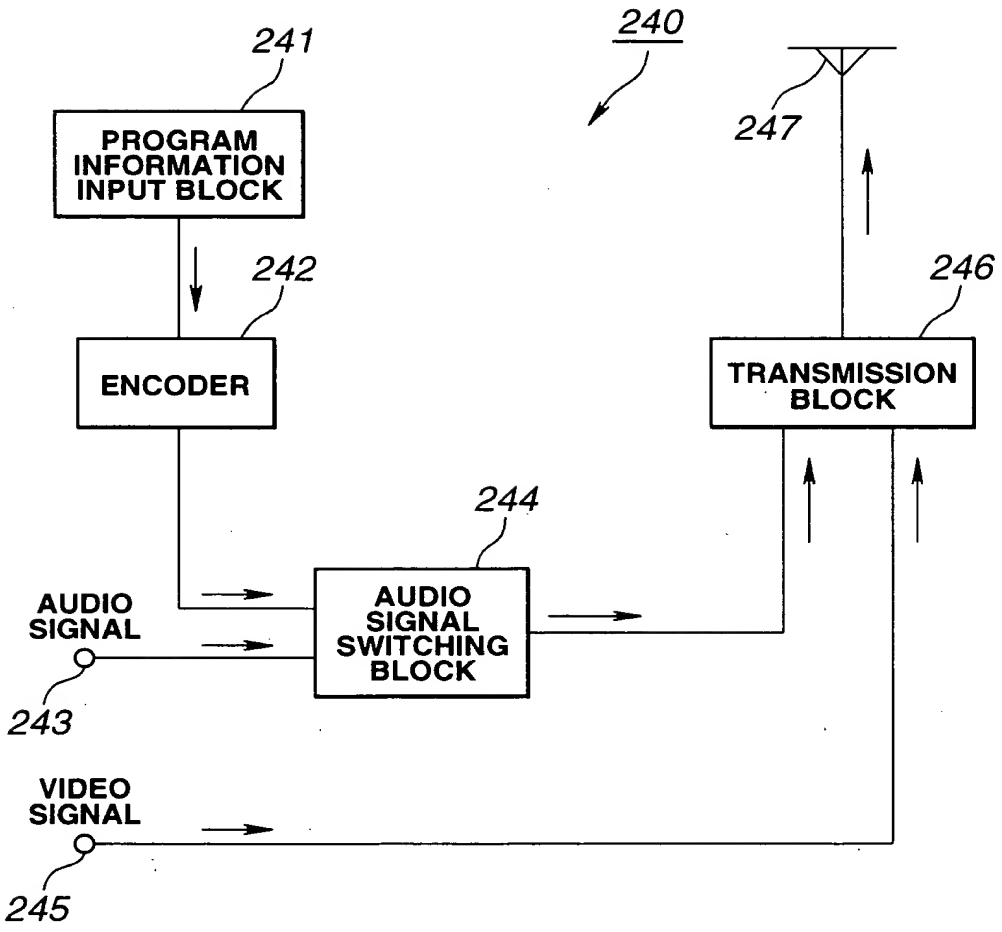
240
241
PROGRAM INFORMATION INPUT BLOCK
242
ENCODER
244
AUDIO SIGNAL SWITCHING BLOCK
AUDIO SIGNAL
243
VIDEO SIGNAL
245
247
246
TRANSMISSION BLOCK

FIG.22

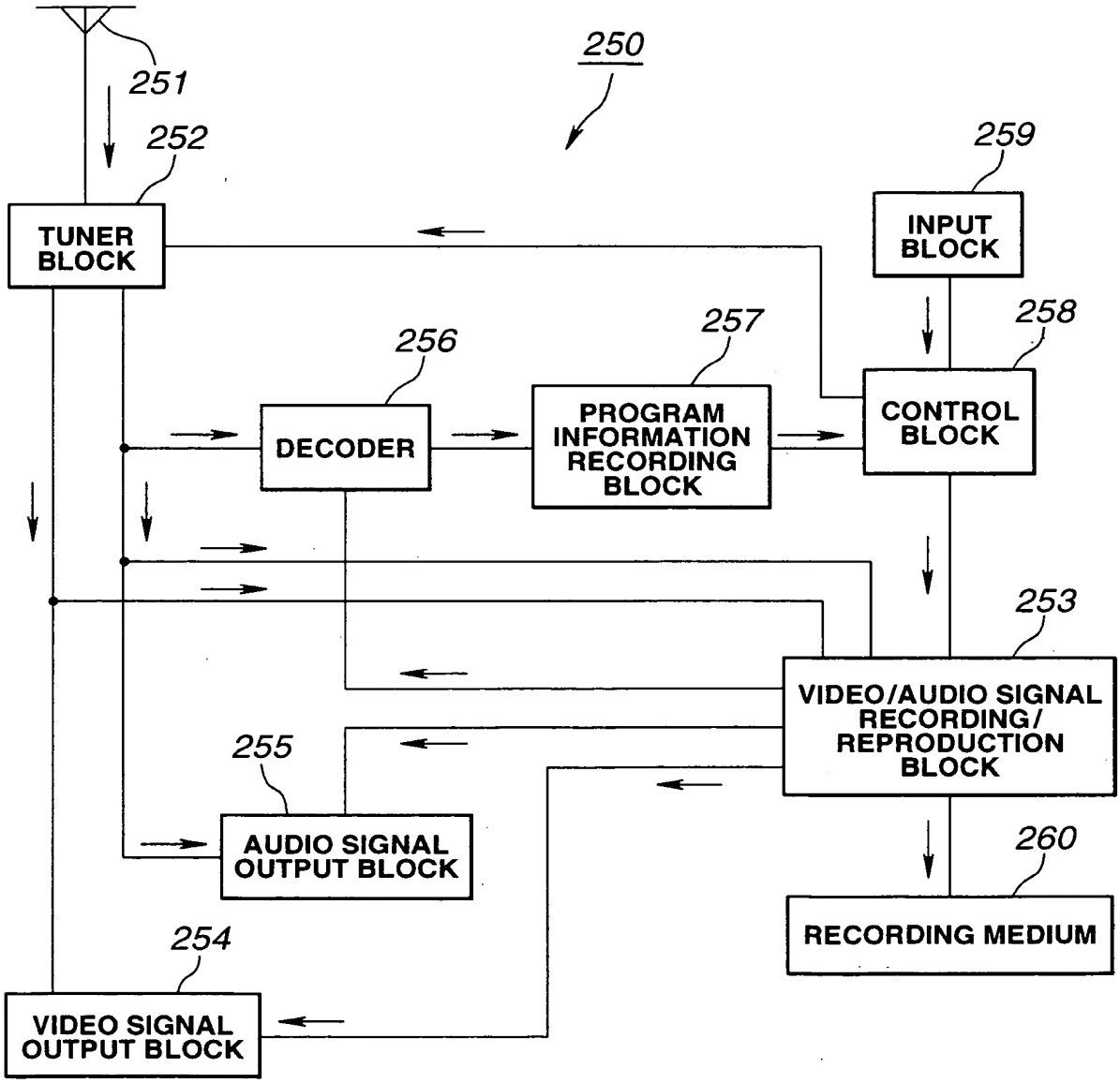
250
251
252
TUNER BLOCK
259
INPUT BLOCK
258
CONTROL BLOCK
257
PROGRAM INFORMATION RECORDING BLOCK
256
DECODER
253
VIDEO/AUDIO SIGNAL RECORDING/ REPRODUCTION BLOCK
255
AUDIO SIGNAL OUTPUT BLOCK
260
RECORDING MEDIUM
254
VIDEO SIGNAL OUTPUT BLOCK

FIG.23

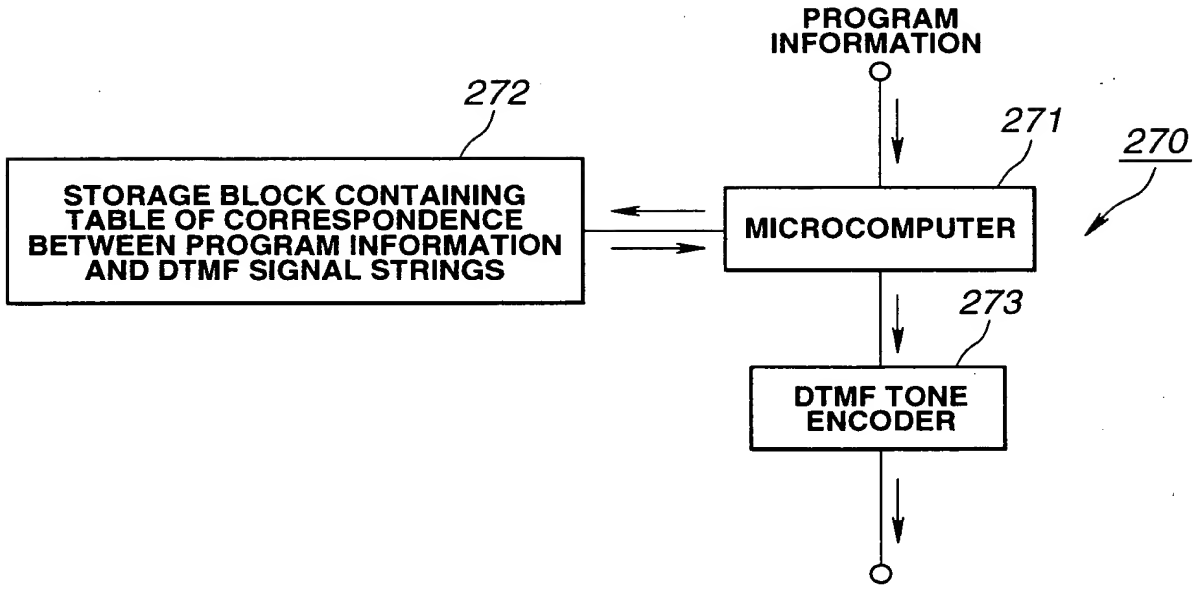
PROGRAM INFORMATION
272
271
270
STORAGE BLOCK CONTAINING TABLE OF CORRESPONDENCE BETWEEN PROGRAM INFORMATION AND DTMF SIGNAL STRINGS
MICROCOMPUTER
273
DTMF TONE ENCODER

FIG.24

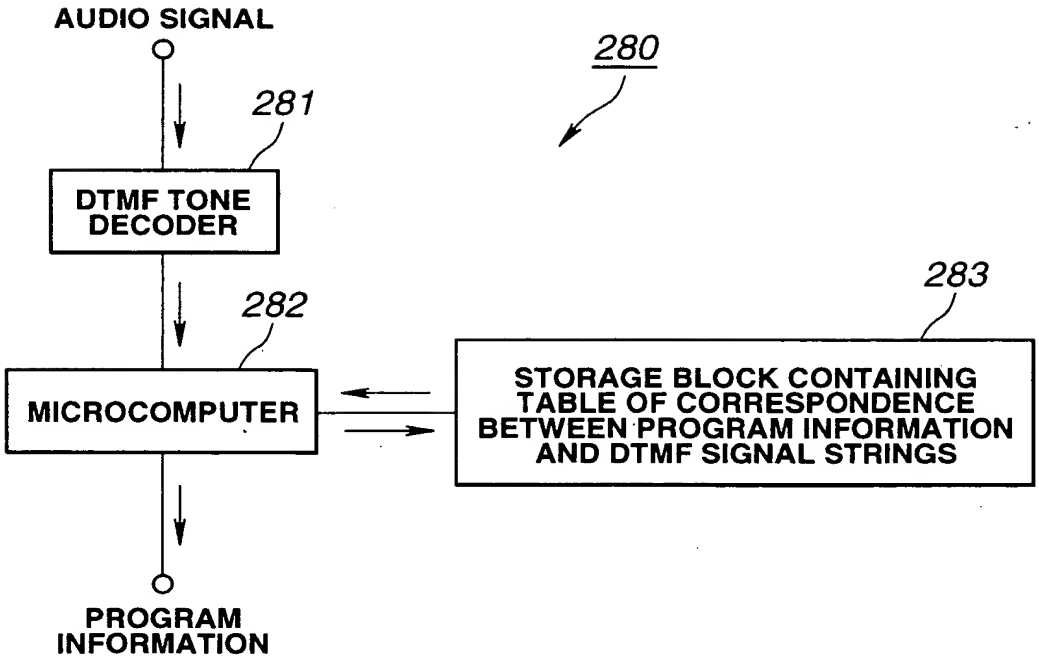
AUDIO SIGNAL
280
281
DTMF TONE DECODER
283
282
MICROCOMPUTER
STORAGE BLOCK CONTAINING TABLE OF CORRESPONDENCE BETWEEN PROGRAM INFORMATION AND DTMF SIGNAL STRINGS
PROGRAM INFORMATION

FIG.25

DATA No.	CONTENTS
DATA #0	「#」
DATA #1	「*」
DATA #2	PROGRAM BROADCAST DATE, MONTH 10'S POSITION
DATA #3	PROGRAM BROADCAST DATE, MONTH 1'S POSITION
DATA #4	PROGRAM BROADCAST DATE, DAY 10'S POSITION
DATA #5	PROGRAM BROADCAST DATE, DAY 1'S POSITION
DATA #6	PROGRAM START TIME, HOUR 10'S POSITION
DATA #7	PROGRAM START TIME, HOUR 1'S POSITION
DATA #8	PROGRAM START TIME, MINUTE 10'S POSITION
DATA #9	PROGRAM START TIME, MINUTE 1'S POSITION
DATA #10	PROGRAM END TIME, HOUR 10'S POSITION
DATA #11	PROGRAM END TIME, HOUR 1'S POSITION
DATA #12	PROGRAM END TIME, MINUTE 10'S POSITION
DATA #13	PROGRAM END TIME, MINUTE 1'S POSITION
DATA #14	BROADCAST CHANNEL, 100'S POSITION
DATA #15	BROADCAST CHANNEL, 10'S POSITION
DATA #16	BROADCAST CHANNEL, 1'S POSITION

FIG.26

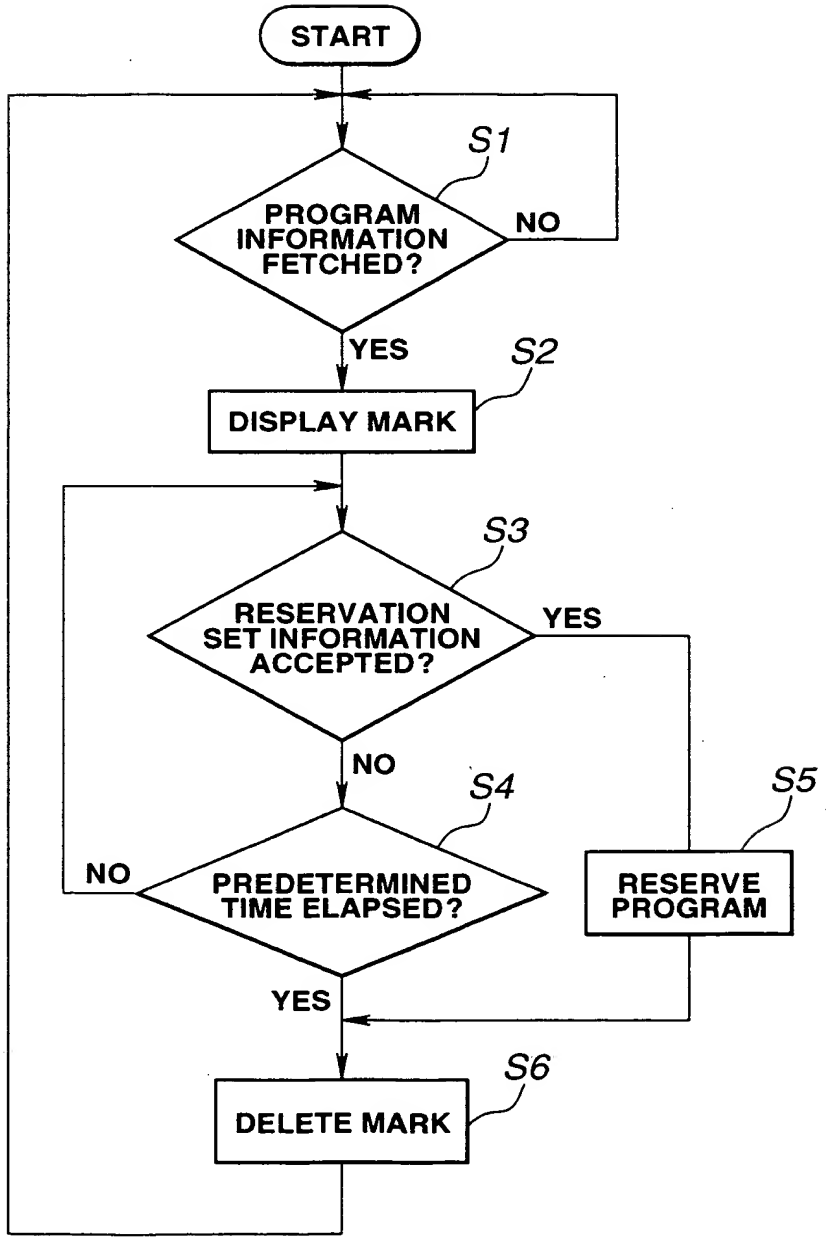
START
S1
PROGRAM INFORMATION FETCHED?
NO
YES
S2
DISPLAY MARK
S3
RESERVATION SET INFORMATION ACCEPTED?
YES
NO
S4
S5
NO
PREDETERMINED TIME ELAPSED?
RESERVE PROGRAM
YES
S6
DELETE MARK

FIG.27

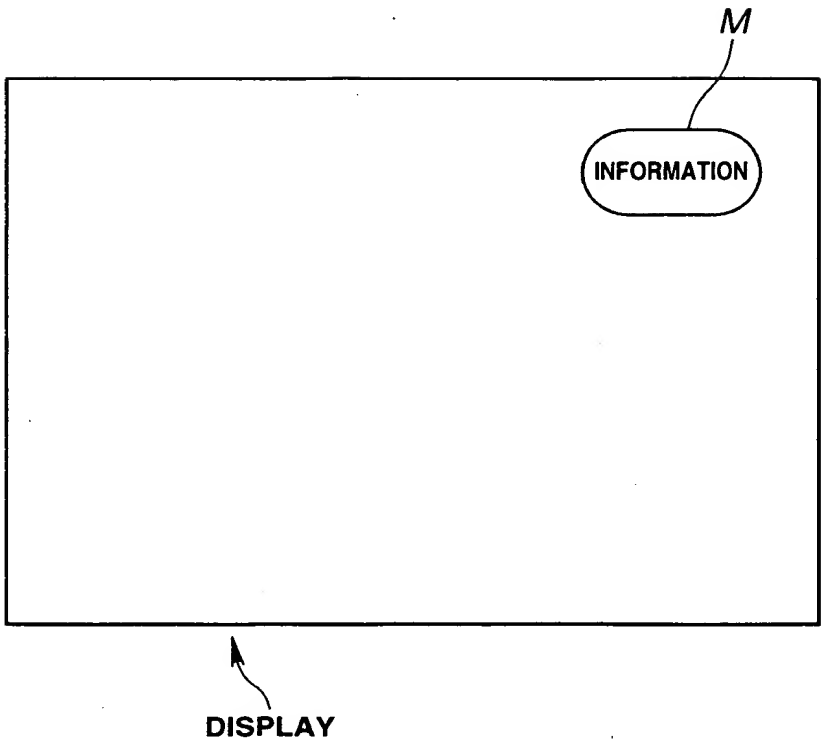

FIG.28